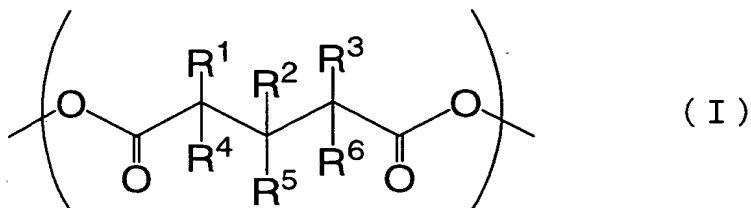


CLAIMS

1. A polyester having, in the molecule, a structural unit represented by formula (I):



(wherein R^1 , R^2 , R^3 , R^4 , R^5 and R^6 , which are the same or different, each represent a hydrogen atom or lower alkyl, provided that at least one of R^1 , R^2 , R^3 , R^4 , R^5 and R^6 is lower alkyl.)

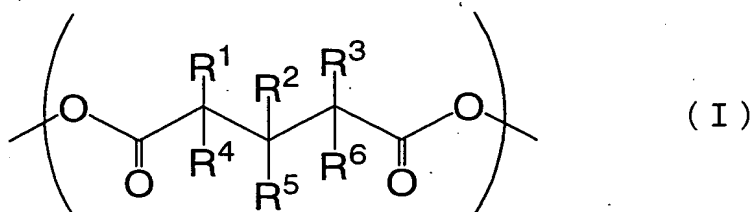
2. The polyester according to claim 1, wherein R^1 and R^3 , which are the same or different, each are lower alkyl; and R^2 , R^4 , R^5 and R^6 are hydrogen atoms).

3. The polyester according to claim 1, wherein R^1 and R^3 are both ethyl; and R^2 , R^4 , R^5 and R^6 are hydrogen atoms.

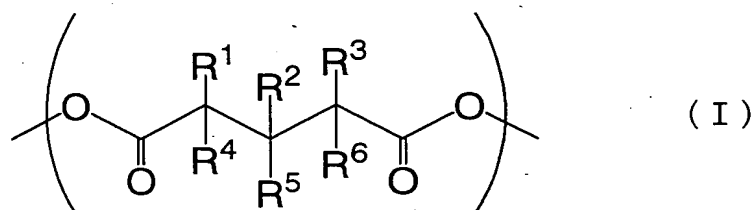
4. The polyester according to any of claims 1 to 3, wherein the number-average molecular weight of the polyester is within a range of 300 to 1,000,000.

5. The polyester according to any of claim 1 to 4, which has a hydroxyl group or a carboxyl group at its end.

6. A method for producing a polyurethane having a structural unit represented by formula (I):

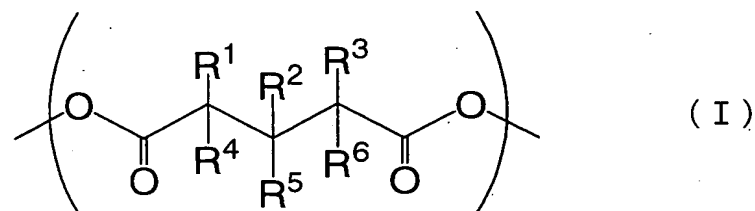


(wherein R^1 , R^2 , R^3 , R^4 , R^5 and R^6 have the same meanings as defined above, respectively), which comprises: allowing a polyester having in the molecule a structural unit represented by formula (I):



(wherein R^1 , R^2 , R^3 , R^4 , R^5 and R^6 have the same meanings as defined above, respectively), and having at its both ends hydroxyl groups to react with an isocyanate compound at 50 to 150°C.

7. A polyurethane having, in the molecule, a structural unit represented by formula (I):



(wherein R^1 , R^2 , R^3 , R^4 , R^5 and R^6 have the same meaning as defined above, respectively).

8. The polyurethane according to claim 7, wherein R^1 and R^3 , which are the same or different, are lower alkyl; and R^2 , R^4 ,

R⁵ and R⁶ are hydrogen atoms.

9. The polyurethane according to claim 7, wherein R¹ and R³ are both ethyl, and R², R⁴, R⁵ and R⁶ are hydrogen atoms.

10. The polyurethane according to any of claim 7 to 9, wherein the weight-average molecular weight of the polyurethane is within a range of 10,000 to 3,000,000.

11. The polyester according to any of claims 1 to 4, which has a polymerizable double bond at its end.